**MongoDB Design**

**Design 1**

The first design made was just a minor improvement on the original csv, by only make a single embedded array; Info{ Rating, Reviews}.

"User" : {

        " Rating" : "4.7",

        " Reviews" : "17350"

    },

The end design for the second iteration is:

{

    "\_id" : ObjectId("5fc7e032c0247115974fcda6"),

    "Name" : "10-Day Green Smoothie Cleanse",

    "Author" : "JJ Smith",

    "User" : {

        " Rating" : "4.7",

        " Reviews" : "17350"

    },

    "Price" : "8",

    "Year" : "2016",

    "Genre" : "Non Fiction"

}

This was not the best and most optimal design in my opinion and therefore I made the second design.

**Design 2**

The second design was based of the first one and was a major improvement. This design included another embedded array for a more optimal viewing and querying this data set. Therefore all the fields that were converted into embedded arrays are : Info{ Rating, Reviews} User{ Year, Genre}

 "User" : {

        " Rating" : "4.7",

        " Reviews" : "17350"

    },

 "Info" : {

        " Year" : "2016",

        " Genre" : "Non Fiction"

    },

The end design for the second iteration is:

{

    "\_id" : ObjectId("5fc7e434c0247115974fd4d4"),

    "Name" : "10-Day Green Smoothie Cleanse",

    "Author" : "JJ Smith",

    "User" : {

        " Rating" : "4.7",

        " Reviews" : "17350"

    },

    "Info" : {

        " Year" : "2016",

        " Genre" : "Non Fiction"

    },

    "Price" : "8"

}